

1. Identification of the substance / preparation and of the company

Product name : 77001-00021 Solvent
Use of the substance/preparation: Solvent for industrial ink jet printers (CIJ-printers)
Supplier : Paul Leibinger GmbH & Co. KG
Daimlerstr. 14
78532 Tuttlingen
Germany
Phone: +49 7461 92 86-0 Fax: +49 7461 92 86-199

2. Hazards Identification

This product is dangerous within the meaning of Directives 67/548/EEC and/or 1999/45/EC.

Classification according to Directives 67/548/EEC and 1999/45/EC:

R11 Highly flammable

Highly flammable liquid.

3. Composition / information on ingredients

This product is a mixture within the meaning of GHS regulation (EC) no. 1272/2008.

General chemical characterisation:

Mixture(s) based on solvents

Dangerous components pursuant to REACH-Directive 67/548/EEC:

Name of Substance	CAS-No	EC-No	[Wt-%]	Symbol of danger	R-Phrase
Ethanol	64-17-5	200-578-6	90-95	F	11

Full text of R phrases see heading 16.

4. First aid measures

Eye contact: Rinse thoroughly with plenty of water and seek medical advice.
Skin contact: Wash with water and soap. Do not use solvents.
Ingestion: Wash out mouth with water and seek medical advice.
Inhalation: Fresh air; in case of permanent troubles seek medical advice.

5. Fire-fighting measures

Extinguishing media: Powder, carbon dioxide, water spray jet, foam
Hazardous decomposition products: Carbon monoxide, carbon dioxide in case of burning

6. Accidental release measures

Cover with absorbent material; collect for disposal in a safe way.
Ensure good ventilation; remove all sources of ignition.

7. Handling and storage

7.1 Handling

Avoid contact with skin and eyes
When using do not eat, drink or smoke
Keep away from sources of ignition - No smoking
Take precautionary measures against static discharges

7.2 Storage

Keep container tightly closed; avoid freezing and extreme heat.

7.3 Specific use(s)

8. Exposure controls / personal protection

8.1 Exposure limit values:

CAS-Nº	Name of Substance	Kind of TLV	Value	Year	Country
64-17-5	Ethanol	TLV	1000 [ml/m ³]	2000	GB

8.2 Exposure controls

Eye protection: Safety glasses
Hand protection: Rubber gloves
Respiratory protection: In case of insufficient ventilation recommended.

9. Physical and chemical properties

9.1 General information

Physical state: liquid
Colour: colourless clear
Odour: alcoholic

9.2 Important health, safety and environmental information

Boiling range: > 77 °C
Melting range: n.a.
Relative density: ~0,8 g/cm³
Vapour pressure: <= 58 hPa
Viscosity: ~1,2 mPas
pH: n.a.
Flash point: 12 °C
Autoignition temperature: >= 425 °C
Explosion limit, lower: 3,5 %vol
Explosion limit, upper: 15 %vol
Water solubility: miscible

9.3 Other informations

10. Stability and reactivity

10.1 Conditions to avoid

Thermal decomposition: Not to be expected in the intended use.

10.2 Materials to avoid

Conditions and materials to avoid: Strong oxidizers

10.3 Hazardous decomposition products

Hazardous decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides in case of burning

11. Toxicological information

No toxic effects if used as intended.

12. Ecological information

Do not dispose into drains or aquatic environment.

Water hazard class (Germany): 1 – Slight hazard for water (self classification)

13. Disposal considerations

If recycling is not possible, dispose in a special waste incinerator. Observe all state, federal and local regulations.

Recommended waste key: 07 07 04, other organic solvents, washing liquids and mother liquors

14. Transport information

Way of transportation:

RID/ADR (road/rail): dangerous good

IMDG (sea): dangerous good

ICAO/IATA (air): dangerous good

Marine Pollutant: no

Details for classification:

UN number: 1210

Proper shipping name: PRINTING INK RELATED MATERIAL

Class: 3

Packing group: II

Classification code: F1

Source of danger: Ethanol

Other informations:

(so far necessarily)

15. Regulatory information

Labelling according to Directives 67/548/EEC and 1999/45/EC:

Symbols of Danger:

F Highly Flammable

Xi Irritant

R-Phrase:

R11 Highly flammable

S-Phrase:

S7 Keep container tightly closed

S16 Keep away from sources of ignition - No smoking

16. Other informations

Shortcuts:

n.a.: not applicable - n.d.: not determined

Full text of R phrases in heading 3:

R11 Highly flammable

Amendments in this safety data sheet:

General revision concerning regulation (EC) No. 1907/2006

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties. These products should be stored, handled, and used in conformity with any legal regulation. The information provided above is for general guidance only without responsibility, liability, and warranty on our part.